

Date: Thu, 28 Apr 94 04:30:21 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #107
To: Ham-Space

Ham-Space Digest Thu, 28 Apr 94 Volume 94 : Issue 107

Today's Topics:

48-Hours & Unidentified radio signals.

AO-21

Ao-21 via mobile? (2 msgs)

ARLS021 Another SAREX success

Orbit DETERMINATION software ??

Radio Astronomy (2 msgs)

rec.radio.amateur.vhf.plus (?)

SAREX QSL information

Satellites without beams (2 msgs)

STS-xx QSL routes??

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>

Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 28 Apr 94 02:34:25 GMT
From: dog.ee.lbl.gov!agate!apple.com!apple.com!not-for-mail@uchvax.berkeley.edu
Subject: 48-Hours & Unidentified radio signals.
To: ham-space@ucsd.edu

palmer@alumni.caltech.edu (David M. Palmer) writes:

>fsrla@aurora.alaska.edu writes:

>>What got my attention, however, was the segment on the
>>radio-telescope facility that was scanning the skies in
>>search of hopeful radio contact, or sounds, or, well,
>>anything out of the norm. They had 37 signals they

>>could not identify.

>>Now, my question is, does anybody know what frequencies
>>these 37 signals were heard on? I'm just curious.

>Horowitz and Sagan, 1993 Sept 20, Astrophysical Journal V. 415, 218-235.
^^^^^^

Note of interest: Paul Horowitz is W1HFA. Also coauthor with Hill for
"The Art of Electronics."

73,

Kok Chen, AA6TY
Apple Computer, Inc.

kchen@apple.com

Date: 22 Apr 94 20:18:02 GMT
From: agate!ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.ans.net!
hp81.prod.aol.net!search01.news.aol.com!not-for-mail@ucbvax.berkeley.edu
Subject: A0-21
To: ham-space@ucsd.edu

In article <766339135snz@g8sjp.demon.co.uk>, ip@g8sjp.demon.co.uk (Iain
Philipps) writes:

OSCAR-21 uplink? From all the info I have, the uplink is 435.016, although
435.015 seems to work well.

Hope this helps.

73, Gary WA4YMZ

Date: 27 Apr 94 07:23:55 GMT
From: dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!cleveland.Freenet.Edu!
da884@ucbvax.berkeley.edu
Subject: Ao-21 via mobile?
To: ham-space@ucsd.edu

I read alittle while back about being able to operate Ao21 via low power?
If so can anyone give me info on it I'll like to give it a shot
I'm working the grave yardshift so I have the wee hours of the morning to
give it a shot.

I know there was talk about trying it late in the morning when most operators are asleep and not to many big stations are up and running, Any help??

--

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-----  
|      David      AMPRnet - ve3tos@ve3tos.ampr.org      www      |  
|Don Mills, Ontario Internet - da884@cleveland.freenet.edu      (o o)      |  
|_Canada____VE3TOS____Packet - ve3tos@va3bbs.#scon.on.can.noam_o00__(_)_00o|  
-----
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Date: 28 Apr 94 02:40:37 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!usenet.ins.cwru.edu!
cleveland.Freenet.Edu!da884@ucbvax.berkeley.edu
Subject: Ao-21 via mobile?
To: ham-space@ucsd.edu

IP>
IP> > I read alittle while back about being able to operate Ao21
IP>
IP> Me too.
IP>
IP> > If so can anyone give me info on it I'll like to give it a
IP>
IP> I tried it. 50W ERP and no sign of a signal being relayed. I
IP> heard (on Sunday) a 'local' through the bird, and I could
IP> hear his uplink signal, too. He was just about fully
IP> readable via satellite. I asked him about his setup, and
IP> what he described equated to roughly 1.4KW ERP. On that
IP> basis, I'll stay listening :-(
IP>

What are the Up and down link freqs???

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|      David      AMPRnet - ve3tos@ve3tos.ampr.org      www      |  
|Don Mills, Ontario Internet - da884@cleveland.freenet.edu      (o o)      |  
|_Canada____VE3TOS____Packet - ve3tos@va3bbs.#scon.on.can.noam_o00__(_)_00o|  
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Date: Thu, 28 Apr 1994 00:35:50 GMT
From: pacbell.com!amdahl!netcomsv!netcom.com!marcbg@ames.arpa
Subject: ARLS021 Another SAREX success
To: ham-space@ucsd.edu

SB SPACE @ ARL \$ARLS021

ARLS021 Another SAREX success

ZCZC AS65

QST de W1AW

Space Bulletin 021 ARLS021

>From ARRL Headquarters

Newington, CT April 26, 1994

To all radio amateurs

SB SPACE ARL ARLS021

ARLS021 Another SAREX success

Another SAREX success

During the just-completed shuttle mission, STS-59, astronauts Jay Apt, N5QWL, and Linda Godwin, N5RAX, used their SAREX 2-meter equipment for a contact with Astronaut Ken Cameron, R3/KB5AWP, on assignment at the Russian space facility at Star City, near Moscow.

The two astronaut-hams also spoke to cosmonaut Anatoli Artsibartski, U6MIR. The contacts were made on two successive passes overhead.

Jay Apt said ''Ken is my friend and former STS-37 crewmate. It was terrific to hear his voice after several months corresponding by e-mail only. What a great way to use ham radio.''

Cameron and Artsibartski were standing near the Star City statue of Russian cosmonaut Yuri Gagarin, using a hand held transceiver and 5/8 wavelength whip antenna, standing on a car to increase their elevation, astronaut Jay Apt related in an Amateur Radio packet message from space.

NNNN

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Marc Grant

Home: marcbg@netcom.com

Telephone: 214-205-4593

Office: marcbg@esy.com

Amateur Radio N5MEI

"The road to enlightenment is chuck full o' potholes"

Date: Mon, 25 Apr 1994 14:16:38 GMT

From: elroy.jpl.nasa.gov!swrinde!sgiblab!wetware!spunky.RedBrick.COM!psinntp!
psinntp!arrl.org!zlau@ames.arpa

Subject: Orbit DETERMINATION software ??

To: ham-space@ucsd.edu

Methods of Orbit Determination for the Microcomputers
by Dan Boulet ISBN 0-943396-34-4 The Publisher,

Willmen-Bell, Inc., also sells Basic software to go with the book.

Zvi Lev (zvikal@ccsg.tau.ac.il) wrote:

: Hi all. In recent weeks I have searched many ftp sites for orbit
: determination software - that is, software for calculating the orbit
: parameters of the satellite given data such as measured Ra and Dec from
: a given ground station(s), or doppler (i.e. velocity) readings from such
: stations. While there are many excellent shareware packages available for
: orbit calculation or tracking (that is, given the orbital parameters where
: will the sat be at time T), I have failed to find any for my 'Inverse'
: problem. Any info will be of help.

--

Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: Tue, 26 Apr 1994 09:28:17 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!EU.net!uknet!
festival!ee.ed.ac.uk!J.Paul.Lesso@network.ucsd.edu
Subject: Radio Astronomy
To: ham-space@ucsd.edu

Keywords: radios n stuff

I enjoy astronomy as a hobby but have recently become interested in radio astronomy, specifically listening to Jupiter 20MHz and also the bands that can be used to listen to meteors. Any FTP sites, publications or any help would be most appreciated!

TIA

Paul

Date: 27 Apr 1994 02:55:11 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!torn!hermes.acs.ryerson.ca!
ee.ryerson.ca!phiscock@network.ucsd.edu
Subject: Radio Astronomy
To: ham-space@ucsd.edu

J Paul Lesso (JPaulLesso@ee.ed.ac.uk) wrote:
: Keywords: radios n stuff

to demonstrate such traffic).

If it fails the vote, *then*, by all means, propose the alt group.
This would be a much more legitimate use for alt.* and will help
keep it less cluttered.

Followups to news.groups, where this discussion belongs.

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Maxime Taksar KC6ZPS mmt@RedBrick.COM PGP key by request
GCS/0 d- -p+ c+ !l u+ e+ m+ s++/ !n(---) h f+ g+ w+++ t+ r(-) y?
"Remember, a no-smoking section in a restaurant is like a
no-peeing section in a pool" --EGK

Date: 26 Apr 94 18:43:00 GMT
From: dog.ee.lbl.gov!agate!usenet@ucbvax.berkeley.edu
Subject: SAREX QSL information
To: ham-space@ucsd.edu

SAREX QSL Information
+++++

Mission QSL address

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STS-35 Columbia 02Dec90	Frank Bauer, KA3HDO 9609 Tuckerman Ct. Seabrook, MD 20706
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STS-37 Atlantis 05Apr91	Frank Bauer, KA3HDO 9609 Tuckerman Ct. Seabrook, MD 20706
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STS-45 Atlantis 24Mar92	Sterling Park ARC P.O. Box 599 Sterling, VA 22170
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STS-50 Columbia 03Jun92	Dayton Amateur Radio Association c/o Keith Baker, KB1SF P.O. Box 44 Dayton, OH 45401
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STS-47 Endeavour 12Sep92	Dr. Jay Apt, N5QWL 806 Shorewood Dr. Seabrook, TX 77586
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STS-56 Discovery 08Apr93	STS-56 QSL c/o Vienna Wireless Society P.O. Box 418 Vienna, VA 22183
STS-55 Columbia 26Apr93	IBM Amateur Radio Club/1993 P.O. Box 1328 Boca Raton, FL 33429-1328
STS-57 Endeavour 21Jun93	STS-57 QSL c/o Miami County ARC P.O. Box 214 Troy, OH 45373
STS-58 Columbia 18Oct93	ARRL SAREX STS-58 QSL Education Activities Division 225 Main St. Newington, CT 06111
STS-60 Discovery 03Feb94	ARRL SAREX STS-60 QSL Education Activities Division 225 Main St. Newington, CT 06111
STS-59 Endeavour 09Apr94	ARRL SAREX STS-59 QSL Education Activities Division 225 Main St. Newington, CT 06111

Questions or concerns regarding the QSL distribution:
contact Frank H. Bauer at ka3hdo@amsat.org.

Hope this is helpful.
73, W6/DL5KR
Manfred

Date: 26 Apr 1994 19:51:14 -0400
From: ihnp4.ucsd.edu!swrinde!gatech!news.ans.net!hp81.prod.aol.net!search01.news.aol.com!not-for-mail@network.ucsd.edu
Subject: Satellites without beams
To: ham-space@ucsd.edu

In article <2pcbn2\$58e@oak.oakland.edu>, prvalko@vela.acs.oakland.edu (prvalko) writes:

....routinely work RS-10/11 with 10 watts.

Thanks, Paul. That looks like it will be my first shot. I've got an Isopole for 2M so I'm set. 29 MHz antenna is an R-7. From my location, RS-12 is much louder than RS-10 even though both are 10M downlink. HF rig is a TS-690, so the receive should be pretty good. Any reason for the disparity that you know of? Are you using a pre-amp? Any suggestions? Tnx.

73, Gary WA4YMZ

Date: 22 Apr 94 20:27:06 GMT
From: agate!howland.reston.ans.net!news.ans.net!hp81.prod.aol.net!
search01.news.aol.com!not-for-mail@ucbvax.berkeley.edu
Subject: Satellites without beams
To: ham-space@ucsd.edu

I live in a rented house, and my landlord is pretty reasonable about letting me do some things, but I think he would draw the line at a tower or putting up beams or arrays on the roof. What are my options for satellite work? I don't mind adding hardware in the shack, but the stuff outside will be limited to dipoles, verticals, etc. Present equipment includes HF, 2M, and an old TNC-2 clone. I'll probably be replacing the TNC shortly, but the 2M is an Icom 251A and it will most likely be staying. Upgrading will be piece-by-piece. Suggestions are GREATLY appreciated. TNX.

73, Gary WA4YMZ

Date: 26 Apr 1994 15:17:12 GMT
From: tribune.usask.ca!herald.usask.ca!hardie@decwrl.dec.com
Subject: STS-xx QSL routes??
To: ham-space@ucsd.edu

Some time ago somebody posted a list of the QSL routes for all the shuttle missions so far. I carefully saved the file and then equally carefully deleted it.

Specifically, I need the QSL route for STS-60 for a packet contact but would like the whole list if it's still around.

Thanks

Pete

ve5va.qrp@usask.ca

--

ve5va.qrp@usask.ca

End of Ham-Space Digest V94 #107
